

GenCore version 5.1.4-p5.4578
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OM protein - protein search, using sw model

Run on: March 12, 2003, 02:03:01 ; Search time 109 Seconds
(without alignments)
387.269 Million cell updates/sec

Title: US-10-046-433-40

Perfect score: 5306
Sequence: 1 MAEPGSHHLSARVRGRTER.....IGNSNHLPPRLMDLTQCR 1001

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 188354 seqs, 42170167 residues

Total number of hits satisfying chosen parameters: 188354

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCIT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/PCITUS_PUBCOMB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	5341	97.0	1013	9	US-10-028-072-38 Sequence 38, Appl
2	5341	97.0	1013	9	US-10-121-049-38 Sequence 38, Appl
3	5341	97.0	1013	9	US-10-123-904-38 Sequence 38, Appl
4	5341	97.0	1013	9	US-10-140-470-38 Sequence 38, Appl
5	5341	97.0	1013	9	US-10-175-746-38 Sequence 38, Appl
6	5341	97.0	1013	9	US-10-176-918-38 Sequence 38, Appl
7	5341	97.0	1013	9	US-10-176-921-38 Sequence 38, Appl
8	5341	97.0	1013	9	US-10-137-865-38 Sequence 38, Appl
9	5341	97.0	1013	9	US-10-140-474-38 Sequence 38, Appl
10	5341	97.0	1013	9	US-10-142-431-38 Sequence 38, Appl
11	5341	97.0	1013	9	US-10-143-114-38 Sequence 38, Appl
12	5341	97.0	1013	9	US-10-140-002-38 Sequence 38, Appl
13	1448	26.3	464	9	US-10-002-050-20 Sequence 20, Appl
14	1448	26.3	464	9	US-10-002-304-20 Sequence 20, Appl
15	1448	26.3	464	12	US-10-003-152-20 Sequence 20, Appl
16	1307.5	23.7	411	9	US-10-002-050-10 Sequence 10, Appl
17	1307.5	23.7	411	9	US-10-002-304-10 Sequence 10, Appl
18	1307.5	23.7	411	12	US-10-003-152-10 Sequence 10, Appl
19	889.5	16.2	208	9	US-09-925-299-982 Sequence 982, App

20	889.5	16.2	208	10	US-09-925-299-982	Sequence 982, App
21	273	5.0	81	10	US-09-864-761-39769	Sequence 39769, A
22	251	4.6	1609	10	US-09-938-275-11	Sequence 11, Appl
23	233	4.2	3594	9	US-10-150-821-4	Sequence 4, Appl1
24	233	4.2	3594	10	US-09-911-842-4	Sequence 4, Appl1
25	225	4.1	1607	10	US-09-938-275-10	Sequence 10, Appl1
26	224	4.1	60	10	US-09-864-761-39057	Sequence 39057, A
27	209.5	3.8	3571	9	US-10-150-821-2	Sequence 2, Appl1
28	209.5	3.8	3571	10	US-09-911-842-2	Sequence 2, Appl1
29	192	3.5	1587	10	US-09-845-583-10	Sequence 10, Appl
30	182	3.3	64	10	US-09-864-761-47095	Sequence 47095, A
31	174	3.2	1786	10	US-09-873-676-113	Sequence 113, App
32	174	3.2	1786	10	US-09-938-275-6	Sequence 6, Appl1
33	170	3.1	1786	10	US-09-938-275-7	Sequence 7, Appl1
34	168	3.1	50	10	US-09-864-761-39644	Sequence 39644, A
35	164	3.0	610	9	US-09-802-640-36	Sequence 36, Appl
36	163	3.0	2150	10	US-09-321-987B-2	Sequence 2, Appl1
37	163	3.0	2165	10	US-09-800-729-155	Sequence 155, App
38	163	3.0	3084	10	US-09-938-275-4	Sequence 4, Appl1
39	160.5	2.9	1111	10	US-09-756-071B-15	Sequence 15, Appl
40	160.5	2.9	1193	10	US-09-756-071B-13	Sequence 13, Appl
41	159	2.9	1169	10	US-09-801-368-106	Sequence 106, App
42	158	2.9	1036	10	US-09-995-593A-6	Sequence 6, Appl1
43	158	2.9	1187	10	US-09-995-593A-7	Sequence 7, Appl1
44	158	2.9	1218	9	US-10-219-248-7	Sequence 7, Appl1
45	158	2.9	1218	9	US-10-219-247-7	Sequence 7, Appl1

ALIGNMENTS

RESULT 1
US-10-028-072-38
; Sequence 38, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gunney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang
; TITLE OF INVENTION:
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/028, 072
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18

[illegible]

PRIOR APPLICATION NUMBER: 60/090429
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090445
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090538
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090863
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/091360
 PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091519
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091982
 PRIOR FILING DATE: 1998-07-07

Query Match 97.0%; Score 5341; DB 9; Length 1013;
 Best Local Similarity 99.0%; Pred. No. 0;
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOVOTGTGPELHACKESYHEHTA 60
 DB 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOVOTGTGPELHACKESYHEHTA 60
 QY 61 CDSGSRMRVAVPHTPGICTSLDPVVKTECSFSCNAGEFLDMKDQCKPCAGRSYSLGT 120
 DB 61 CDSGSRMRVAVPHTPGICTSLDPVVKTECSFSCNAGEFLDMKDQCKPCAGRSYSLGT 120
 QY 121 GIRDEWDELPHGFASLSANMELDDSAESTGNCSTSSKWPBGDYIAFNTDECTATLMA 180
 DB 121 GIRDEWDELPHGFASLSANMELDDSAESTGNCSTSSKWPBGDYIAFNTDECTATLMA 180
 QY 181 VNLKSGTVNFEYYPSSIIFFEFVONDQCPNADSRMKTTEKGEHFSVELNRGN 240
 DB 181 VNLKSGTVNFEYYPSSIIFFEFVONDQCPNADSRMKTTEKGEHFSVELNRGN 240
 QY 241 VLYMRTAFSVTKPKPVLYRNIAITGVATSECFPCPKPTGYADKQSSFCCKLCPANSY 300
 DB 241 VLYMRTAFSVTKPKPVLYRNIAITGVATSECFPCPKPTGYADKQSSFCCKLCPANSY 300
 QY 301 SNKGETSCHQCDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOIMYKNAKPKIC 360
 DB 301 SNKGETSCHQCDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOIMYKNAKPKIC 360
 QY 361 SEDLEGAVKLPASGVKTHCPNCPNGEFTKNNSTQPCPYGYSNMSDCTRCPCAGTEPAVG 420
 DB 361 SEDLEGAVKLPASGVKTHCPNCPNGEFTKNNSTQPCPYGYSNMSDCTRCPCAGTEPAVG 420
 QY 421 FEYKMNLTPTMETTVVSGINEYKGTGMEVAGDHIYTAAGASDNDFMILTIVPGR 480
 DB 421 FEYKMNLTPTMETTVVSGINEYKGTGMEVAGDHIYTAAGASDNDFMILTIVPGR 480
 QY 481 POSVWADTENKEVARITFEVETLCSVNCLEYFMYGVNSRNTPEYTWKSGKQSYTYI 540
 DB 481 POSVWADTENKEVARITFEVETLCSVNCLEYFMYGVNSRNTPEYTWKSGKQSYTYI 540
 QY 541 IEBNTTSTTAFORTTTHASRKTYNDVAKIYSINVTNMGVASYCRPALESDVGS 600
 DB 541 IEBNTTSTTAFORTTTHASRKTYNDVAKIYSINVTNMGVASYCRPALESDVGS 600
 QY 601 SCTSPAGYIDRDSGTCHSCPNTILKAHOPYGVQACVPCGPKNNKIHSLCYNDCTF 660
 DB 601 SCTSPAGYIDRDSGTCHSCPNTILKAHOPYGVQACVPCGPKNNKIHSLCYNDCTF 660
 QY 661 SRNTPRTFNYSALANTVTLAGSPSTSKGLTFHHFTLSLCCNCRKASVCTDNTD 720
 DB 661 SRNTPRTFNYSALANTVTLAGSPSTSKGLTFHHFTLSLCCNCRKASVCTDNTD 720
 QY 721 LRTPESSEFSKITAYVOAVIIPPEVYTKAGVSSOPVSLADLLIGTMDTIDGITS 780
 DB 721 LRTPESSEFSKITAYVOAVIIPPEVYTKAGVSSOPVSLADLLIGTMDTIDGITS 780
 QY 781 PAELFLESIGIPDVIFEFYRNDVTQSCSSGRSTTIRVRCSPQKTPGSLLLPGTCSGDT 840
 DB 781 PAELFLESIGIPDVIFEFYRNDVTQSCSSGRSTTIRVRCSPQKTPGSLLLPGTCSGDT 840

DB 781 PAELFLESIGIPDVIFEFYRNDVTQSCSSGRSTTIRVRCSPQKTPGSLLLPGTCSGDT 840
 QY 841 CDGCHNHFLEWESAACPLCSVADYHAIVSSVAGIOKTTYVREPKLCSGISTPEORYT 900
 DB 841 CDGCHNHFLEWESAACPLCSVADYHAIVSSVAGIOKTTYVREPKLCSGISTPEORYT 900
 QY 901 ICTTIDFWLKVGISAGCTAAILTVLTCYFMKKNOKLEYKSKLYMNAATLKDCDLPADS 960
 DB 901 ICTTIDFWLKVGISAGCTAAILTVLTCYFMKKNOKLEYKSKLYMNAATLKDCDLPADS 960
 QY 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
 DB 961 CAIMEGEDVEDDLIFTSKNHSLGR 984

RESULT 2
 US-10-121-049-38
 Sequence 38, Application US/10121049
 Publication No. US2003002239A1
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ACIDS
 TITLE OF INVENTION: ACIDS ENCODING THE SAME
 FILE REFERENCE: P3330R1C17
 CURRENT APPLICATION NUMBER: US/10/121,049
 CURRENT FILING DATE: 2002-04-12
 Prior Application removed - See file wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 38
 LENGTH: 1013
 TYPE: PRT
 ORGANISM: Homo Sapien
 FEATURE:
 NAME/KEY: unsure
 LOCATION: 877, 882
 OTHER INFORMATION: unknown amino acid
 US-10-121-049-38

Query Match 97.0%; Score 5341; DB 9; Length 1013;
 Best Local Similarity 99.0%; Pred. No. 0;
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOVOTGTGPELHACKESYHEHTA 60
 DB 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOVOTGTGPELHACKESYHEHTA 60
 QY 61 CDSGSRMRVAVPHTPGICTSLDPVVKTECSFSCNAGEFLDMKDQCKPCAGRSYSLGT 120
 DB 61 CDSGSRMRVAVPHTPGICTSLDPVVKTECSFSCNAGEFLDMKDQCKPCAGRSYSLGT 120
 QY 121 GIRDEWDELPHGFASLSANMELDDSAESTGNCSTSSKWPBGDYIAFNTDECTATLMA 180
 DB 121 GIRDEWDELPHGFASLSANMELDDSAESTGNCSTSSKWPBGDYIAFNTDECTATLMA 180
 QY 181 VNLKSGTVNFEYYPSSIIFFEFVONDQCPNADSRMKTTEKGEHFSVELNRGN 240
 DB 181 VNLKSGTVNFEYYPSSIIFFEFVONDQCPNADSRMKTTEKGEHFSVELNRGN 240

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QY 241 VLYWRTAFSVWTKYKPKVFLVRNIAITGVAYTSECPCPKDPTADKOGSSPCKLCPANSY 300
Db 241 VLYWRTAFSVWTKYKPKVFLVRNIAITGVAYTSECPCPKDPTADKOGSSPCKLCPANSY 300
QY 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOIMYKAKPRIC 360
Db 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOIMYKAKPRIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKPCNPGFRTNNSTCOPCPYSGSYSGSDCTRCPCAGTEPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPKPCNPGFRTNNSTCOPCPYSGSYSGSDCTRCPCAGTEPAVG 420
QY 421 FEYKMWNTLPTNMEETVLSGINFEEKMTGWEVAGDHIYTAAGASDNDPMILTLVPGFR 480
Db 421 FEYKMWNTLPTNMEETVLSGINFEEKMTGWEVAGDHIYTAAGASDNDPMILTLVPGFR 480
QY 481 PPOSVAMADTEKKEVARITFEVETLCSVNCCLYFMVGVNSRTNPTVETWKSCKGOSTYTI 540
Db 481 PPOSVAMADTEKKEVARITFEVETLCSVNCCLYFMVGVNSRTNPTVETWKSCKGOSTYTI 540
QY 541 IEEWTTTSFTWAFORTTFHEASRKYTNDVAKIYSINVTNNMNGVASYCRPCALEASDVGS 600
Db 541 IEEWTTTSFTWAFORTTFHEASRKYTNDVAKIYSINVTNNMNGVASYCRPCALEASDVGS 600
QY 601 SCTSCPAGYIIDRDSGTCHSCPPNTILKAHQPYGVQACVPCGPGTKNNKTHSLCYNDCTF 660
Db 601 SCTSCPAGYIIDRDSGTCHSCPPNTILKAHQPYGVQACVPCGPGTKNNKTHSLCYNDCTF 660
QY 661 SRNPTPTFTFNYSALANTYTLTAGGPFSTSKGLYFHHFTLSLCSGNGRMASTCTDNVTD 720
Db 661 SRNPTPTFTFNYSALANTYTLTAGGPFSTSKGLYFHHFTLSLCSGNGRMASTCTDNVTD 720
QY 721 LRIPESGSGFSKSTAVVCAVLIIPREVTGYKAGVSSQPSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPESGSGFSKSTAVVCAVLIIPREVTGYKAGVSSQPSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHLIESGIDPVIFEFYSNDVYOSGSSGRTTIRVCSPOKTPVGSLLPGLTSDGT 840
Db 781 PAELFHLIESGIDPVIFEFYSNDVYOSGSSGRTTIRVCSPOKTPVGSLLPGLTSDGT 840
QY 841 CDGCGNFHFLMESAAACGLGSVADYHAIVSSCVAGIOKTTYVMREPLCSGSLPDRORT 900
Db 841 CDGCGNFHFLMESAAACGLGSVADYHAIVSSCVAGIOKTTYVMREPLCSGSLPDRORT 900
QY 901 ICTIDFWLKVGISAGTCTAILTLVLCYFWMKKNOKLEKYSKLVNNATLKDCDLPADS 960
Db 901 ICTIDFWLKVGISAGTCTAILTLVLCYFWMKKNOKLEKYSKLVNNATLKDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKNSHSLGR 984
Db 961 CAIMEGEDVEDDLIFTSKNSHSLGR 984

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RESULT 3
US-10-123-904-38
Sequence 38, Application US/10123904
Publication No. US2003002238A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel

```

; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C54
; CURRENT APPLICATION NUMBER: US/10/123,904
; PRIORITY FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-123-904-38

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Query Match 97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERIRIPRLMLIMAGTAFQYTOGPELHACKSEHYEYTA 60
Db 1 MAEPGSHHLSARVGRTERIRIPRLMLIMAGTAFQYTOGPELHACKSEHYEYTA 60
QY 61 CDSTGSRWRAVAPHTPGICTSLDPVKGTSCSFCSCNAGEFLDMKQSCPCAEGRYSIGT 120
Db 61 CDSTGSRWRAVAPHTPGICTSLDPVKGTSCSFCSCNAGEFLDMKQSCPCAEGRYSIGT 120
QY 121 GIRPEMDLPHGFASLSANMELDSDAESTGNCSSKMWVRGVYIANTDECTATLMTA 180
Db 121 GIRPEMDLPHGFASLSANMELDSDAESTGNCSSKMWVRGVYIANTDECTATLMTA 180
QY 181 VNLKOSGTVNFEYYPDSSIIPEFFVNDQCPNADSRMKKTEKGEFHSVELNRGN 240
Db 181 VNLKOSGTVNFEYYPDSSIIPEFFVNDQCPNADSRMKKTEKGEFHSVELNRGN 240
QY 241 VLYWRTAFSVWTKYKPKVFLVRNIAITGVAYTSECPCPKDPTADKOGSSPCKLCPANSY 300
Db 241 VLYWRTAFSVWTKYKPKVFLVRNIAITGVAYTSECPCPKDPTADKOGSSPCKLCPANSY 300
QY 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOIMYKAKPRIC 360
Db 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOIMYKAKPRIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKPCNPGFRTNNSTCOPCPYSGSYSGSDCTRCPCAGTEPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPKPCNPGFRTNNSTCOPCPYSGSYSGSDCTRCPCAGTEPAVG 420
QY 421 FEYKMWNTLPTNMEETVLSGINFEEKMTGWEVAGDHIYTAAGASDNDPMILTLVPGFR 480
Db 421 FEYKMWNTLPTNMEETVLSGINFEEKMTGWEVAGDHIYTAAGASDNDPMILTLVPGFR 480
QY 481 PPOSVAMADTEKKEVARITFEVETLCSVNCCLYFMVGVNSRTNPTVETWKSCKGOSTYTI 540
Db 481 PPOSVAMADTEKKEVARITFEVETLCSVNCCLYFMVGVNSRTNPTVETWKSCKGOSTYTI 540
QY 541 IEEWTTTSFTWAFORTTFHEASRKYTNDVAKIYSINVTNNMNGVASYCRPCALEASDVGS 600
Db 541 IEEWTTTSFTWAFORTTFHEASRKYTNDVAKIYSINVTNNMNGVASYCRPCALEASDVGS 600
QY 601 SCTSCPAGYIIDRDSGTCHSCPPNTILKAHQPYGVQACVPCGPGTKNNKTHSLCYNDCTF 660
Db 601 SCTSCPAGYIIDRDSGTCHSCPPNTILKAHQPYGVQACVPCGPGTKNNKTHSLCYNDCTF 660
QY 661 SRNPTPTFTFNYSALANTYTLTAGGPFSTSKGLYFHHFTLSLCSGNGRMASTCTDNVTD 720
Db 661 SRNPTPTFTFNYSALANTYTLTAGGPFSTSKGLYFHHFTLSLCSGNGRMASTCTDNVTD 720
QY 721 LRIPESGSGFSKSTAVVCAVLIIPREVTGYKAGVSSQPSLADRLIGVTTDMTLDGITS 780

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Db 721 LRIPEGESFSTKSTAYVQAVIIPPEVTGYKAGVSSQPVSLADLLIGVTTDMTLDGITS 780
Qy 781 PAELFHLFSLGIPDIVIEFYRSNDVTQSCSGSRSTTIRVRCSPQKTVPGSLLPGTCSGDT 840
Db 781 PAELFHLFSLGIPDIVIEFYRSNDVTQSCSGSRSTTIRVRCSPQKTVPGSLLPGTCSGDT 840
Qy 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIQXTTYVXREPKLCSGSIPEQRYT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIQXTTYVXREPKLCSGSIPEQRYT 900
Qy 901 ICTIDFMLKVGISAGTCAILLTVLTCYFMKKNOKEKYSKLVMMNTLKDCLPADS 960
Db 901 ICTIDFMLKVGISAGTCAILLTVLTCYFMKKNOKEKYSKLVMMNTLKDCLPADS 960
Qy 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
Db 961 CAIMEGEDVEDDLIFTSKNHSLGR 984

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RESULT 4

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US-10-140-470-38
; Sequence 38, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3303RIC160
; CURRENT APPLICATION NUMBER: US/10/140,470
; PRIOR APPLICATION DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-140-470-38

```

```

Query Match 97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy 1 MAERGHSHHSARVGRTERIRIRLWMLLMAGTAFOVQGTPELHACKESFHYHEYTA 60
Db 1 MAERGHSHHSARVGRTERIRIRLWMLLMAGTAFOVQGTPELHACKESFHYHEYTA 60
Qy 61 CDSTGSRMRAVAPHTPGICTSLDDPYVKGTECSFSCNAGEFLDMKDKSCPKCAGRYSLGT 120
Db 61 CDSTGSRMRAVAPHTPGICTSLDDPYVKGTECSFSCNAGEFLDMKDKSCPKCAGRYSLGT 120
Qy 121 GIRFDEWDELPHGFASISANMELDDSAESTGCTSKKVPKRGDIYIAFNDECTAILMRA 180
Db 121 GIRFDEWDELPHGFASISANMELDDSAESTGCTSKKVPKRGDIYIAFNDECTAILMRA 180

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Db 121 GIRFDEWDELPHGFASISANMELDDSAESTGCTSKKVPKRGDIYIAFNDECTAILMRA 180
Qy 181 VNLKOSGTAVNEYYPPSSIIIEFYVNDQOPPADSRMMKTKTEKGEFHSVELNNGN 240
Db 181 VNLKOSGTAVNEYYPPSSIIIEFYVNDQOPPADSRMMKTKTEKGEFHSVELNNGN 240
Qy 241 VLYWRTTAFSWTKVPKPVILVNRNIAITGVAYTSCEPCKRGYADKOGSFFCKLCPANSY 300
Db 241 VLYWRTTAFSWTKVPKPVILVNRNIAITGVAYTSCEPCKRGYADKOGSFFCKLCPANSY 300
Qy 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKYFTYTHACDANGETOIMYKAKKIC 360
Db 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKYFTYTHACDANGETOIMYKAKKIC 360
Qy 361 SEDLEGAVKLPASGVKTHCPKPCNPGFRKTNNTQOPCPYGSYSNGSCTCRPAETEPAYG 420
Db 361 SEDLEGAVKLPASGVKTHCPKPCNPGFRKTNNTQOPCPYGSYSNGSCTCRPAETEPAYG 420
Qy 421 FEYKMMWNTLPNMEETVLSGINFEYKGMTGMEVAGDHIYTAAGASDNDFMILLVLPGR 480
Db 421 FEYKMMWNTLPNMEETVLSGINFEYKGMTGMEVAGDHIYTAAGASDNDFMILLVLPGR 480
Qy 481 PPOSYADTEKKEVARITFEVETLCVNCCELYEMVGNSTRNTEVETWKSCKQSTYTI 540
Db 481 PPOSYADTEKKEVARITFEVETLCVNCCELYEMVGNSTRNTEVETWKSCKQSTYTI 540
Qy 541 IEEHTTSTFWAFORTTHERASRYTNDVAKIYSINVTNNGVASYCRPALEASDVGS 600
Db 541 IEEHTTSTFWAFORTTHERASRYTNDVAKIYSINVTNNGVASYCRPALEASDVGS 600
Qy 601 SCTSCPAGYIDRDGTCSCPTTIKAKHPYGVQACVPCGPETKNNKIHSLCYNDCTE 660
Db 601 SCTSCPAGYIDRDGTCSCPTTIKAKHPYGVQACVPCGPETKNNKIHSLCYNDCTE 660
Qy 661 SRNPPTRTFNFNFSALANTVTLAGSPSTSGKLYFHHFTLSLCSGNGRKKSVCTDWT 720
Db 661 SRNPPTRTFNFNFSALANTVTLAGSPSTSGKLYFHHFTLSLCSGNGRKKSVCTDWT 720
Qy 721 LRIPEGESFSTKSTAYVQAVIIPPEVTGYKAGVSSQPVSLADLLIGVTTDMTLDGITS 780
Db 721 LRIPEGESFSTKSTAYVQAVIIPPEVTGYKAGVSSQPVSLADLLIGVTTDMTLDGITS 780
Qy 781 PAELFHLFSLGIPDIVIEFYRSNDVTQSCSGSRSTTIRVRCSPQKTVPGSLLPGTCSGDT 840
Db 781 PAELFHLFSLGIPDIVIEFYRSNDVTQSCSGSRSTTIRVRCSPQKTVPGSLLPGTCSGDT 840
Qy 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIQXTTYVXREPKLCSGSIPEQRYT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIQXTTYVXREPKLCSGSIPEQRYT 900
Qy 901 ICTIDFMLKVGISAGTCAILLTVLTCYFMKKNOKEKYSKLVMMNTLKDCLPADS 960
Db 901 ICTIDFMLKVGISAGTCAILLTVLTCYFMKKNOKEKYSKLVMMNTLKDCLPADS 960
Qy 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
Db 961 CAIMEGEDVEDDLIFTSKNHSLGR 984

```

RESULT 5

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US-10-175-746-38
; Sequence 38, Application US/10175746
; Publication No. US2003002270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

```

; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C353
; CURRENT APPLICATION NUMBER: US/10/175,746
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION REMOVED - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-175-746-38

```

```

Query Match          97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

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Qy 1 MAEPGSHHLSARVGRERRIPRLMLLMAGTAFOVTOGTGPELHACKSEHYEYTA 60
Db 1 MAEPGSHHLSARVGRERRIPRLMLLMAGTAFOVTOGTGPELHACKSEHYEYTA 60
Qy 61 CDSTGSRMRVAVPHTPGLCTSLPDPVKTEGCSFSCNAGEFLDMKDQSKPCAEGRYSIGT 120
Db 61 CDSTGSRMRVAVPHTPGLCTSLPDPVKTEGCSFSCNAGEFLDMKDQSKPCAEGRYSIGT 120
Qy 121 GIREDEWDELPHGFASLSANMELDSAAESTGCTSSKNWPRGDYIAFNTEDECTATLMTA 180
Db 121 GIREDEWDELPHGFASLSANMELDSAAESTGCTSSKNWPRGDYIASNTEDECTATLMTA 180
Qy 181 VNLKSGVNEFEYPPSSIIFFEFYONDQCPNADSRMKKTTEKMEHSHVLANGN 240
Db 181 VNLKSGVNEFEYPPSSIIFFEFYONDQCPNADSRMKKTTEKMEHSHVLANGN 240
Qy 241 VLYMRTAFSVWTKVPKPVLYRNIAITGVATSECPCKPGTAYADKOGSSFCCKLCPANSY 300
Db 241 VLYMRTAFSVWTKVPKPVLYRNIAITGVATSECPCKPGTAYADKOGSSFCCKLCPANSY 300
Qy 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOLMYKMAKPKIC 360
Db 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOLMYKMAKPKIC 360
Qy 361 SEDLEGAVKLPASGVKTHCPNCPNGEFTKNNSTQCPYTSYSGSCTCPAGTEPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPNCPNGEFTKNNSTQCPYTSYSGSCTCPAGTEPAVG 420
Qy 421 FEYKWMNTLPTNMTETVLSGINFEYKGMTEVAGDHITTAAGASDNDPMILTLVYVGR 480
Db 421 FEYKWMNTLPTNMTETVLSGINFEYKGMTEVAGDHITTAAGASDNDPMILTLVYVGR 480
Qy 481 PPGSVMADEKNEVARITFEVETLCSVNCLELYMVGVNSRTNPVETWKSCKGOSTYI 540
Db 481 PPGSVMADEKNEVARITFEVETLCSVNCLELYMVGVNSRTNPVETWKSCKGOSTYI 540
Qy 541 IEEYTTTSFTWAFORTTFHASKRYTNDVAKIYSINTVNMNGVASYCRPCALEASDVGS 600
Db 541 IEEYTTTSFTWAFORTTFHASKRYTNDVAKIYSINTVNMNGVASYCRPCALEASDVGS 600
Qy 601 SCTSCPAAGYIYDRSGTCHSCPPNTILKAHOPYGVOACVCPGPGTKNNKTHSLCYNDCTF 660
Db 601 SCTSCPAAGYIYDRSGTCHSCPPNTILKAHOPYGVOACVCPGPGTKNNKTHSLCYNDCTF 660

```

```

Qy 661 SRNPTRTFNVSALANTVTLAGSPSETSKGLYFHHFTLSLCSNOGRKMSVCTDNTVD 720
Db 661 SRNPTRTFNVSALANTVTLAGSPSETSKGLYFHHFTLSLCSNOGRKMSVCTDNTVD 720
Qy 721 LRIPESGFSKSTAYVCAVLIIPREVGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPESGFSKSTAYVCAVLIIPREVGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Qy 781 PAELFHLESIGIDVIFEFYNSNDVOTQSCSSGRSTTRVRCSPQKYVPSLLPGTSDGT 840
Db 781 PAELFHLESIGIDVIFEFYNSNDVOTQSCSSGRSTTRVRCSPQKYVPSLLPGTSDGT 840
Qy 841 CDGCFHFHLESAAACPLCSVADYHAISSCVAGIOKTYVWREPKLCSGGSILPEQRYT 900
Db 841 CDGCFHFHLESAAACPLCSVADYHAISSCVAGIOKTYVWREPKLCSGGSILPEQRYT 900
Qy 901 ICTIDFWLKVGISAGTCTAIIITLVTCYFWKKNQLEKYSKLVNATLKDCLPAADS 960
Db 901 ICTIDFWLKVGISAGTCTAIIITLVTCYFWKKNQLEKYSKLVNATLKDCLPAADS 960
Qy 961 CAIMEGEDVEDDLFTSKNSLSGR 984
Db 961 CAIMEGEDVEDDLFTSKNSLSGR 984

```

```

RESULT 6
US-10-176-918-38
; Sequence 38, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Flivaroit, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C382
; CURRENT APPLICATION NUMBER: US/10/176,918
; CURRENT FILING DATE: 2002-06-20
; PRIOR APPLICATION REMOVED - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-176-918-38

```

```

Query Match          97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

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```

Qy 1 MAEPGSHHLSARVGRERRIPRLMLLMAGTAFOVTOGTGPELHACKSEHYEYTA 60
Db 1 MAEPGSHHLSARVGRERRIPRLMLLMAGTAFOVTOGTGPELHACKSEHYEYTA 60
Qy 61 CDSTGSRMRVAVPHTPGLCTSLPDPVKTEGCSFSCNAGEFLDMKDQSKPCAEGRYSIGT 120

```

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Db 61 CDSIGSRKRVAVPHTPGICTSLSDPVKGTGECSEFCNAGEFLDMKDKOSCKRCAGRYSLGT 120
    |||
Qy 121 GIREDEWDELPHGFASLSANNELDSDAESTGNCSTSSKWPBGDIYAFNDECTATLMTA 180
    |||
Db 121 GIREDEWDELPHGFASLSANNELDSDAESTGNCSTSSKWPBGDIYAFNDECTATLMTA 180
    |||
Qy 181 VLKSGTVNFEYYPDSIIIEFFVNDQCPNADSRMMKTEKGEFHSVELRNGN 240
    |||
Db 181 VLKSGTVNFEYYPDSIIIEFFVNDQCPNADSRMMKTEKGEFHSVELRNGN 240
    |||
Qy 241 VLYWRTTASVMTKPKPLVYNIAITGVATYSECFPCPKPTVADKOGSSFCCKCPANSY 300
    |||
Db 241 VLYWRTTASVMTKPKPLVYNIAITGVATYSECFPCPKPTVADKOGSSFCCKCPANSY 300
    |||
Qy 301 SNKGESCHQCDPKYSEKSSCNVRPACTDKDYFTHYHACDANGETOLMYKNAKPKIC 360
    |||
Db 301 SNKGESCHQCDPKYSEKSSCNVRPACTDKDYFTHYHACDANGETOLMYKNAKPKIC 360
    |||
Qy 361 SEDLEGAVKLPAAGVYTHCPNCPGFEKTNSTCQPCPGYSNNGSDCTRCAPGEPAVG 420
    |||
Db 361 SEDLEGAVKLPAAGVYTHCPNCPGFEKTNSTCQPCPGYSNNGSDCTRCAPGEPAVG 420
    |||
Qy 421 FEYKMWNTLPTNMETVLSGINEYKGMTGWEVAGDHITAGASDNDPMILTLVVGFR 480
    |||
Db 421 FEYKMWNTLPTNMETVLSGINEYKGMTGWEVAGDHITAGASDNDPMILTLVVGFR 480
    |||
Qy 481 PROSVAMADTENKEVARITTFEFTLCYNCELYFMGVNSRTNPVETWKGSGKOSYTYI 540
    |||
Db 481 PROSVAMADTENKEVARITTFEFTLCYNCELYFMGVNSRTNPVETWKGSGKOSYTYI 540
    |||
Qy 541 IEEVNTTSFTWAFORTTFHEASRYTNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
    |||
Db 541 IEEVNTTSFTWAFORTTFHEASRYTNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
    |||
Qy 601 SCTSGPAGYIDRDSGTCHSCPTMLLKAHQPYGVQACVCPGCTNNKTHSLCTYDCJF 660
    |||
Db 601 SCTSGPAGYIDRDSGTCHSCPTMLLKAHQPYGVQACVCPGCTNNKTHSLCTYDCJF 660
    |||
Qy 661 SNTTPTRFNNFSLAMTATVLAGSPSTSGKLYFHHFHLISLGCNGGRKMSVCTDNVD 720
    |||
Db 661 SNTTPTRFNNFSLAMTATVLAGSPSTSGKLYFHHFHLISLGCNGGRKMSVCTDNVD 720
    |||
Qy 721 LRIPEGESFESKITAYVQAVIIPPEVYTKAGVSSQPSVLADRLIGVTDMLDGLTS 780
    |||
Db 721 LRIPEGESFESKITAYVQAVIIPPEVYTKAGVSSQPSVLADRLIGVTDMLDGLTS 780
    |||
Qy 781 PAELFHELSLGIPIVITFFYRSNDYQSSGSRSTTIRVRCSPOKTVPGLSLPCTCSGT 840
    |||
Db 781 PAELFHELSLGIPIVITFFYRSNDYQSSGSRSTTIRVRCSPOKTVPGLSLPCTCSGT 840
    |||
Qy 841 CDCNCFHFLMESAAACPLCSVADYHAIYSSVAGIQTCTTYWREPKLCSGGISLPBQRYT 900
    |||
Db 841 CDCNCFHFLMESAAACPLCSVADYHAIYSSVAGIQTCTTYWREPKLCSGGISLPBQRYT 900
    |||
Qy 901 ICTTIDFWLKVGISACTCAIILITVTCYEMKKNOKLEKYSKSLVMAATLKDCLPADS 960
    |||
Db 901 ICTTIDFWLKVGISACTCAIILITVTCYEMKKNOKLEKYSKSLVMAATLKDCLPADS 960
    |||
Qy 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
    |||
Db 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
    |||

```

RESULT 7
 US-10-176-921-38
 : Sequence 38, Application US/10176921
 : Publication No. US20030027276A1
 : GENERAL INFORMATION:
 : APPLICANT: Baker, Kevin P.
 : APPLICANT: Beresini, Maureen
 : APPLICANT: Deforge, Laura
 : APPLICANT: Desnoyers, Luc

```

? APPLICANT: Filvaroff, Ellen
? APPLICANT: Gao, Wei-Qiang
? APPLICANT: Gerlitsen, Mary E.
? APPLICANT: Goddard, Audrey
? APPLICANT: Godowski, Paul J.
? APPLICANT: Gurney, Austin L.
? APPLICANT: Sherwood, Steven
? APPLICANT: Smith, Victoria
? APPLICANT: Stewart, Timothy A.
? APPLICANT: Tamas, Daniel
? APPLICANT: Watanabe, Colin K
? APPLICANT: Wood, William
? APPLICANT: Zhang, Zemin
? TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
? FILE REFERENCE: P3330RIC288
? CURRENT APPLICATION NUMBER: US/10/176, 921
? PRIOR APPLICATION removed - See file wrapper or Palm
? NUMBER OF SEQ ID NOS: 550
? SEQ ID NO 38
? LENGTH: 1013
? TYPE: PRT
? ORGANISM: Homo Sapien
? FEATURE:
? NAME/KEY: unsure
? LOCATION: 877, 882
? OTHER INFORMATION: unknown amino acid
? US-10-176-921-38

```

```

Query Match          97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy 1 MAEFGSHHLSARVGRTERIRPLMRLIMAGTARVOTGTGPELHACKESYHYETRA 60
    |||
Db 1 MAEFGSHHLSARVGRTERIRPLMRLIMAGTARVOTGTGPELHACKESYHYETRA 60
    |||
Qy 61 CDSIGSRKRVAVPHTPGICTSLSDPVKGTGECSEFCNAGEFLDMKDKOSCKRCAGRYSLGT 120
    |||
Db 61 CDSIGSRKRVAVPHTPGICTSLSDPVKGTGECSEFCNAGEFLDMKDKOSCKRCAGRYSLGT 120
    |||
Qy 121 GIREDEWDELPHGFASLSANNELDSDAESTGNCSTSSKWPBGDIYAFNDECTATLMTA 180
    |||
Db 121 GIREDEWDELPHGFASLSANNELDSDAESTGNCSTSSKWPBGDIYAFNDECTATLMTA 180
    |||
Qy 181 VLKSGTVNFEYYPDSIIIEFFVNDQCPNADSRMMKTEKGEFHSVELRNGN 240
    |||
Db 181 VLKSGTVNFEYYPDSIIIEFFVNDQCPNADSRMMKTEKGEFHSVELRNGN 240
    |||
Qy 241 VLYWRTTASVMTKPKPLVYNIAITGVATYSECFPCPKPTVADKOGSSFCCKCPANSY 300
    |||
Db 241 VLYWRTTASVMTKPKPLVYNIAITGVATYSECFPCPKPTVADKOGSSFCCKCPANSY 300
    |||
Qy 301 SNKGESCHQCDPKYSEKSSCNVRPACTDKDYFTHYHACDANGETOLMYKNAKPKIC 360
    |||
Db 301 SNKGESCHQCDPKYSEKSSCNVRPACTDKDYFTHYHACDANGETOLMYKNAKPKIC 360
    |||
Qy 361 SEDLEGAVKLPAAGVYTHCPNCPGFEKTNSTCQPCPGYSNNGSDCTRCAPGEPAVG 420
    |||
Db 361 SEDLEGAVKLPAAGVYTHCPNCPGFEKTNSTCQPCPGYSNNGSDCTRCAPGEPAVG 420
    |||
Qy 421 FEYKMWNTLPTNMETVLSGINEYKGMTGWEVAGDHITAGASDNDPMILTLVVGFR 480
    |||
Db 421 FEYKMWNTLPTNMETVLSGINEYKGMTGWEVAGDHITAGASDNDPMILTLVVGFR 480
    |||
Qy 481 PROSVAMADTENKEVARITTFEFTLCYNCELYFMGVNSRTNPVETWKGSGKOSYTYI 540
    |||
Db 481 PROSVAMADTENKEVARITTFEFTLCYNCELYFMGVNSRTNPVETWKGSGKOSYTYI 540
    |||
Qy 541 IEEVNTTSFTWAFORTTFHEASRYTNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
    |||
Db 541 IEEVNTTSFTWAFORTTFHEASRYTNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
    |||

```

```

QY 601 SCTSCPAGYIDRDSGTCHSCPRNTILKAHOPYGVACVPCGPGTKNNKIHSLCYNDCTF 660
Db 601 SCTSCPAGYIDRDSGTCHSCPRNTILKAHOPYGVACVPCGPGTKNNKIHSLCYNDCTF 660
QY 661 SRNPTPTFNYSALANTVTLTAGGSEFTSKGLKYEHHFTLSLGNQGRKMSVCTDNVTD 720
Db 661 SRNPTPTFNYSALANTVTLTAGGSEFTSKGLKYEHHFTLSLGNQGRKMSVCTDNVTD 720
QY 721 LRIPGSEGSFKSITAYVCOAVIIPPEVTGYKAGVSSQVSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPGSEGSFKSITAYVCOAVIIPPEVTGYKAGVSSQVSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHESLGIPDVIFFRSNDVYQSCSSGRSTTIRVCSPOKTVPGSLLPCTCSGDT 840
Db 781 PAELFHESLGIPDVIFFRSNDVYQSCSSGRSTTIRVCSPOKTVPGSLLPCTCSGDT 840
QY 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOXTYYXREPKLCSGISLPEQRYT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOXTYYXREPKLCSGISLPEQRYT 900
QY 901 ICTIDFWLKVGISAGTCTAILLVLTCTYFMKKNQKLEKYSKLYMNAATLKDCDLPADS 960
Db 901 ICTIDFWLKVGISAGTCTAILLVLTCTYFMKKNQKLEKYSKLYMNAATLKDCDLPADS 960
QY 961 CAIMEGEDEVEDDLITFSKNHSLGR 984
Db 961 CAIMEGEDEVEDDLITFSKNHSLGR 984

```

RESULT 8

```

US-10-137-865-38
; Sequence 38, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Defoige, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C154
; CURRENT APPLICATION NUMBER: US/10/137,865
; PRIOR FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-137-865-38

```

Query Match 97.0%; Score 5341; DB 9; Length 1013;
 Best Local Similarity 99.0%; Pred. No. 0;
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

QY 1 MAEPGHSHLSARVGRTERIRIRMLRLLMAGTARQVYQGTGPELHACKESSEHYEYTA 60
Db 1 MAEPGHSHLSARVGRTERIRIRMLRLLMAGTARQVYQGTGPELHACKESSEHYEYTA 60
QY 61 CDSTGSRWRAVAPHTPGLCTSLDPVKGTECSFSCNAGEFLMKOOSKPCACEGYSIGT 120
Db 61 CDSTGSRWRAVAPHTPGLCTSLDPVKGTECSFSCNAGEFLMKOOSKPCACEGYSIGT 120
QY 121 GTFDEMDDELPHGFASLSANMELDOSAESTGCTSSKWPBGDYIANTDECATLMTYA 180
Db 121 GTFDEMDDELPHGFASLSANMELDOSAESTGCTSSKWPBGDYIANTDECATLMTYA 180
QY 181 VNLKSGTVNFEYIYDSSIIIEFFVQNDQCPNADDSDRMKTTKEKGFHSVELNGNN 240
Db 181 VNLKSGTVNFEYIYDSSIIIEFFVQNDQCPNADDSDRMKTTKEKGFHSVELNGNN 240
QY 241 VLYWRTTASVWTKPKPVLVKNIAITGVAYTSECFPCPKPTVADKOGSSFCCLCPANSY 300
Db 241 VLYWRTTASVWTKPKPVLVKNIAITGVAYTSECFPCPKPTVADKOGSSFCCLCPANSY 300
QY 301 SNKGETSCHQCDPDKYSEKSSSCVNRPACTDKDYETHTACDANGETOIMYKMAKPKIC 360
Db 301 SNKGETSCHQCDPDKYSEKSSSCVNRPACTDKDYETHTACDANGETOIMYKMAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPNCGFEFTNNSTQCPYGSYSGSDCTRCPTGTPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPNCGFEFTNNSTQCPYGSYSGSDCTRCPTGTPAVG 420
QY 421 FEYKWMNTLPNTMETVYLSGINFPEYKGMTGEVAGDHITTAACASDNDFMILTLLVPGFR 480
Db 421 FEYKWMNTLPNTMETVYLSGINFPEYKGMTGEVAGDHITTAACASDNDFMILTLLVPGFR 480
QY 481 PPOSVMADTENKEVARITFEVETLCSVNCBELYFMVGVNSRTNPTVTWMSGKOSYTYI 540
Db 481 PPOSVMADTENKEVARITFEVETLCSVNCBELYFMVGVNSRTNPTVTWMSGKOSYTYI 540
QY 541 IEEVNTTSFTWAPORTFHEASRKYNDVAKIYSINVTVMNGVASVYCPALASDVGS 600
Db 541 IEEVNTTSFTWAPORTFHEASRKYNDVAKIYSINVTVMNGVASVYCPALASDVGS 600
QY 601 SCTSCPAGYIDRDSGTCHSCPRNTILKAHOPYGVACVPCGPGTKNNKIHSLCYNDCTF 660
Db 601 SCTSCPAGYIDRDSGTCHSCPRNTILKAHOPYGVACVPCGPGTKNNKIHSLCYNDCTF 660
QY 661 SRNPTPTFNYSALANTVTLTAGGSEFTSKGLKYEHHFTLSLGNQGRKMSVCTDNVTD 720
Db 661 SRNPTPTFNYSALANTVTLTAGGSEFTSKGLKYEHHFTLSLGNQGRKMSVCTDNVTD 720
QY 721 LRIPGSEGSFKSITAYVCOAVIIPPEVTGYKAGVSSQVSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPGSEGSFKSITAYVCOAVIIPPEVTGYKAGVSSQVSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHESLGIPDVIFFRSNDVYQSCSSGRSTTIRVCSPOKTVPGSLLPCTCSGDT 840
Db 781 PAELFHESLGIPDVIFFRSNDVYQSCSSGRSTTIRVCSPOKTVPGSLLPCTCSGDT 840
QY 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOXTYYXREPKLCSGISLPEQRYT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOXTYYXREPKLCSGISLPEQRYT 900
QY 901 ICTIDFWLKVGISAGTCTAILLVLTCTYFMKKNQKLEKYSKLYMNAATLKDCDLPADS 960
Db 901 ICTIDFWLKVGISAGTCTAILLVLTCTYFMKKNQKLEKYSKLYMNAATLKDCDLPADS 960
QY 961 CAIMEGEDEVEDDLITFSKNHSLGR 984
Db 961 CAIMEGEDEVEDDLITFSKNHSLGR 984

```

RESULT 9
 US-10-140-474-38
 ; Sequence 38, Application US/10140474
 ; Publication No. US20030032155A1

```

: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: Deforge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P330R1C162
: CURRENT APPLICATION NUMBER: US/10/140,474
: PRIORITY FILING DATE: 2002-05-06
: Prior Application removed - See Palm or File Wrapper
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 38
: LENGTH: 1013
: TYPE: PRT
: ORGANISM: Homo Sapien
: NAME/KEY: unsure
: LOCATION: 877, 882
: OTHER INFORMATION: unknown amino acid
US-10-140-474-38

Query Match          97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHLSARVKGTERIRIPRLRLIMAGTAFQVOTGPELHACKESYHETYA 60
DB 1 MAEPGSHLSARVKGTERIRIPRLRLIMAGTAFQVOTGPELHACKESYHETYA 60
QY 61 CDSTGSKMRAVPHPTPLCTSLDDPVKGPSCPSNCANGFELDKKDSCKPCAGRSYLT 120
DB 61 CDSTGSKMRAVPHPTPLCTSLDDPVKGPSCPSNCANGFELDKKDSCKPCAGRSYLT 120
QY 121 GIRFDEWDELPHGFASLASAMELDDSAESTGCTSKVPRGDYIAFNTDECTATLMA 180
DB 121 GIRFDEWDELPHGFASLASAMELDDSAESTGCTSKVPRGDYIAFNTDECTATLMA 180
QY 181 VNLKOSTVNEFYYPDSSTIFFEFVONDCOPNADDSRMKKTTEGMEHSELNNGN 240
DB 181 VNLKOSTVNEFYYPDSSTIFFEFVONDCOPNADDSRMKKTTEGMEHSELNNGN 240
QY 241 VLYRRTAFSVKTPKPVLYRNIAITGVAVTSECPCKRGATYADKOGSSEFKLCPANSY 300
DB 241 VLYRRTAFSVKTPKPVLYRNIAITGVAVTSECPCKRGATYADKOGSSEFKLCPANSY 300
QY 301 SNKGETSCHODDPKYSSEKSSCNVBPACTDKDYFYTHACADANGETOLMYMAKPKIC 360
DB 301 SNKGETSCHODDPKYSSEKSSCNVBPACTDKDYFYTHACADANGETOLMYMAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHPCPCNGPFKTNNSQPCPYSGSYSGSCTCRCPACTEPAYG 420
DB 361 SEDLEGAVKLPASGVKTHPCPCNGPFKTNNSQPCPYSGSYSGSCTCRCPACTEPAYG 420
QY 421 FEYKMWNTLPNTMETTVLGSINFEYKGMTGWEVAGDHIYTAAGASDNDFMILLTLVVEGFR 480
DB 421 FEYKMWNTLPNTMETTVLGSINFEYKGMTGWEVAGDHIYTAAGASDNDFMILLTLVVEGFR 480
QY 481 PPOSVMADETENKEVARITFEETLCVNCCLYFVWGVNSKRNTEVEYEWKSGKQOSTYI 540
DB 481 PPOSVMADETENKEVARITFEETLCVNCCLYFVWGVNSKRNTEVEYEWKSGKQOSTYI 540

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DB 481 PPOSVMADETENKEVARITFEETLCVNCCLYFVWGVNSKRNTEVEYEWKSGKQOSTYI 540
QY 541 IIEENTTSFTWAOQRTFFHNASRKYNTDVAKIYSINVTNMGVASYCPCALASADYGS 600
DB 541 IIEENTTSFTWAOQRTFFHNASRKYNTDVAKIYSINVTNMGVASYCPCALASADYGS 600
QY 601 SCTSCPAAGYIIDRSGTCHSCPPNTILKAHQPGVQACVPCGPGTNNKIHSLCYNDCTP 660
DB 601 SCTSCPAAGYIIDRSGTCHSCPPNTILKAHQPGVQACVPCGPGTNNKIHSLCYNDCTP 660
QY 661 SRNTPRTFVNFESALANTVTLAGSPSTGKLYFHHFLSLCNGGRMSVCTDNVTD 720
DB 661 SRNTPRTFVNFESALANTVTLAGSPSTGKLYFHHFLSLCNGGRMSVCTDNVTD 720
QY 721 LRIPGESGFSKSTTAVVCAVILIPREVTGKAGVSSQPSLADRLIGVTTDMTLDGITS 780
DB 721 LRIPGESGFSKSTTAVVCAVILIPREVTGKAGVSSQPSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHLESIGIPVIFEFYRSNDVTQSCSGRSTTIRVCSPOKTVPGSILLPCTGSDGT 840
DB 781 PAELFHLESIGIPVIFEFYRSNDVTQSCSGRSTTIRVCSPOKTVPGSILLPCTGSDGT 840
QY 841 CDGCFHFLWESAACPLCSYADYHAYVSSVAGIOKTTYWMPKLCSSGISLPEQRYT 900
DB 841 CDGCFHFLWESAACPLCSYADYHAYVSSVAGIOKTTYWMPKLCSSGISLPEQRYT 900
QY 901 ICKTIDFWLKGISAGTCTALLTVLICYFWKKNOKLEYKYSKLYMNAATLKDCDLPADS 960
DB 901 ICKTIDFWLKGISAGTCTALLTVLICYFWKKNOKLEYKYSKLYMNAATLKDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKNHSLSGR 984
DB 961 CAIMEGEDVEDDLIFTSKNHSLSFGK 984

RESULT 10
US-10-142-431-38
: Sequence 38, Application US/10142431
: Publication No. US20030036179A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: Deforge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P330R1C251
: CURRENT APPLICATION NUMBER: US/10/142,431
: PRIORITY FILING DATE: 2002-05-10
: Prior Application removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 38
: LENGTH: 1013
: TYPE: PRT
: ORGANISM: Homo Sapien
: NAME/KEY: unsure
: LOCATION: 877, 882
: OTHER INFORMATION: unknown amino acid
US-10-142-431-38

```

Query Match 97.0%; Score 5341; DB 9; Length 1013;
 Best Local Similarity 99.0%; Pred. No. 0;
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERRIPLRLMLLLMAGTAFVYTOGTGPELHACKSEHYEYTA 60
 DB 1 MAEPGSHHLSARVGRTERRIPLRLMLLLMAGTAFVYTOGTGPELHACKSEHYEYTA 60
 QY 61 CDSTGSRMRVAVPHRPGICTSLPDPVKTECSFSCNAGEFLDMKDQSKPCAEGRYSIGT 120
 DB 61 CDSTGSRMRVAVPHRPGICTSLPDPVKTECSFSCNAGEFLDMKDQSKPCAEGRYSIGT 120
 QY 121 GIRDEMDLPHGFASLSANMELDDSAESTGNCSTSSKWPVRGDIYAFNTDECTATLMTYA 180
 DB 121 GIRDEMDLPHGFASLSANMELDDSAESTGNCSTSSKWPVRGDIYAFNTDECTATLMTYA 180
 QY 181 VNLKSGTVNEFYYPSSIIFFEFVONDQCPNADDSRMWKTTEKGMESHVELNNGNN 240
 DB 181 VNLKSGTVNEFYYPSSIIFFEFVONDQCPNADDSRMWKTTEKGMESHVELNNGNN 240
 QY 241 VLYWRTTAFSVWTKVPRKVLVRNIAITGVATSECFCKPGTYADKOGSSFCKLCPANSY 300
 DB 241 VLYWRTTAFSVWTKVPRKVLVRNIAITGVATSECFCKPGTYADKOGSSFCKLCPANSY 300
 QY 301 SNKGETSCHODDPKYESEKSSCNVPRACDXYFTYHTACDANGETOIMYKMAKPKIC 360
 DB 301 SNKGETSCHODDPKYESEKSSCNVPRACDXYFTYHTACDANGETOIMYKMAKPKIC 360
 QY 361 SEDLEGAVKLPASGVKTHCPNCNGFFKTNNSCTQPCPYGSSYSGSDCTRCPAGTEPAVG 420
 DB 361 SEDLEGAVKLPASGVKTHCPNCNGFFKTNNSCTQPCPYGSSYSGSDCTRCPAGTEPAVG 420
 QY 421 FEYKMMNTLPTNMTETVLSGINFEEKMTGMEVAGDHIYTAAGASDNDEMLTLVVGFR 480
 DB 421 FEYKMMNTLPTNMTETVLSGINFEEKMTGMEVAGDHIYTAAGASDNDEMLTLVVGFR 480
 QY 481 PPOSVADTENKEVARITFEFELCSVNCCLYEMVGNSTNTPVETWKSCKOSQYTYI 540
 DB 481 PPOSVADTENKEVARITFEFELCSVNCCLYEMVGNSTNTPVETWKSCKOSQYTYI 540
 QY 541 IEEHTTTSFTWAFORTFHEASRKYNDVAKIYSINVTNMNCVASYCRPCALEASDVGS 600
 DB 541 IEEHTTTSFTWAFORTFHEASRKYNDVAKIYSINVTNMNCVASYCRPCALEASDVGS 600
 QY 601 SCTSCPAGYIDRDSGTCHSCPNITLKAHQPYGVACYPGCGTGNKNIHSICTYNDCTE 660
 DB 601 SCTSCPAGYIDRDSGTCHSCPNITLKAHQPYGVACYPGCGTGNKNIHSICTYNDCTE 660
 QY 661 SRMTPTRTFVNFYSALANTYTLAGPSFTSGKLYFHHFTLISCGNQGRKMSVCTDNVTD 720
 DB 661 SRMTPTRTFVNFYSALANTYTLAGPSFTSGKLYFHHFTLISCGNQGRKMSVCTDNVTD 720
 QY 721 LRIPBESGFSKSTIAYVCOAVIIPPEVTVGKAGVSSQPSVLADRLIGVTTMTLDGITS 780
 DB 721 LRIPBESGFSKSTIAYVCOAVIIPPEVTVGKAGVSSQPSVLADRLIGVTTMTLDGITS 780
 QY 781 PAELFHLESIGLIPDVIFRYRNSNDVYTOSSGSRSTTIRVCSPOKTPGSLILPGTCSDDT 840
 DB 781 PAELFHLESIGLIPDVIFRYRNSNDVYTOSSGSRSTTIRVCSPOKTPGSLILPGTCSDDT 840
 QY 841 COGCNHFHLESAAACPLCSVADYHAIVSSCAVAGIOXTTYVYRREPKLCSGGISLEPORVY 900
 DB 841 COGCNHFHLESAAACPLCSVADYHAIVSSCAVAGIOXTTYVYRREPKLCSGGISLEPORVY 900
 QY 901 ICTTIDFWLKVGISACTAAILTLVTCYFMKNOKLEKYSKLVNMTATLKCDDLPADS 960
 DB 901 ICTTIDFWLKVGISACTAAILTLVTCYFMKNOKLEKYSKLVNMTATLKCDDLPADS 960
 QY 961 CAIMGEDEVDDLIFTSKNSHSLGR 984
 DB 961 CAIMGEDEVDDLIFTSKNSHSLGR 984

RESULT 11
 US-10-143-114-38

; Sequence 38; Application US/10143114
 ; Publication No. US20030036180A1
 ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C211
 ; CURRENT APPLICATION NUMBER: US/10/143.114
 ; PRIOR APPLICATION DATE: 2002-05-09
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 38
 ; LENGTH: 1013

; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: 877, 882
 ; OTHER INFORMATION: unknown amino acid

US-10-143-114-38

Query Match 97.0%; Score 5341; DB 9; Length 1013;
 Best Local Similarity 99.0%; Pred. No. 0;
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERRIPLRLMLLLMAGTAFVYTOGTGPELHACKSEHYEYTA 60
 DB 1 MAEPGSHHLSARVGRTERRIPLRLMLLLMAGTAFVYTOGTGPELHACKSEHYEYTA 60
 QY 61 CDSTGSRMRVAVPHRPGICTSLPDPVKTECSFSCNAGEFLDMKDQSKPCAEGRYSIGT 120
 DB 61 CDSTGSRMRVAVPHRPGICTSLPDPVKTECSFSCNAGEFLDMKDQSKPCAEGRYSIGT 120
 QY 121 GIRDEMDLPHGFASLSANMELDDSAESTGNCSTSSKWPVRGDIYAFNTDECTATLMTYA 180
 DB 121 GIRDEMDLPHGFASLSANMELDDSAESTGNCSTSSKWPVRGDIYAFNTDECTATLMTYA 180
 QY 181 VNLKSGTVNEFYYPSSIIFFEFVONDQCPNADDSRMWKTTEKGMESHVELNNGNN 240
 DB 181 VNLKSGTVNEFYYPSSIIFFEFVONDQCPNADDSRMWKTTEKGMESHVELNNGNN 240
 QY 241 VLYWRTTAFSVWTKVPRKVLVRNIAITGVATSECFCKPGTYADKOGSSFCKLCPANSY 300
 DB 241 VLYWRTTAFSVWTKVPRKVLVRNIAITGVATSECFCKPGTYADKOGSSFCKLCPANSY 300
 QY 301 SNKGETSCHODDPKYESEKSSCNVPRACDXYFTYHTACDANGETOIMYKMAKPKIC 360
 DB 301 SNKGETSCHODDPKYESEKSSCNVPRACDXYFTYHTACDANGETOIMYKMAKPKIC 360
 QY 361 SEDLEGAVKLPASGVKTHCPNCNGFFKTNNSCTQPCPYGSSYSGSDCTRCPAGTEPAVG 420
 DB 361 SEDLEGAVKLPASGVKTHCPNCNGFFKTNNSCTQPCPYGSSYSGSDCTRCPAGTEPAVG 420
 QY 421 FEYKMMNTLPTNMTETVLSGINFEEKMTGMEVAGDHIYTAAGASDNDEMLTLVVGFR 480

QY	103	MKDQSCPCPAEGRYSLTGIRFEDENDELPHGFASISANMELDDSAAS-IGNCNCSKWP	160
Db	1	MKNVCSCKGEGCTYSLGSIGIKFDEMDLPAFNSNATFMQVPSDRPGCNSSWIP	60
QY	162	RBDYIAFNMDDELATLMAVNLKOSGIYNEFYYPDSSLIIEFVONDQOP-NADDSRW	220
Db	61	KQNTYIESNDDQVSLIYVHLKSGSYEFFEYQYVDNNIIEFEPIQDDOCQEMDTYDKW	120
QY	221	MKTTERG-WEFHSVELNNGNNVLLWRTAFESVMTKVPKPVLYNRATATGAYSSECPK	279
Db	121	YKLFJNGEMGSHSVLKGSTNILYWRRTGLIMSGKAKAPVLYKNITILEGAYISECPK	160
QY	280	PCTVYADKQSSPCLCAPANSYNNKGETSCHOC-DPKYSEKSGSCVAPACTDKDYFTY	338
Db	181	PQTSNPKAGSTNCOVCPPNNTYSEKGAECJRCCKDSQFSSESGSECHERPCTTKDYFQI	240
QY	339	HTACDANGETOJLMMKAPKICSDLELGAVLPAISGVYKPCPCPNPGFPTNNSTOCP	398
Db	241	HTPCDEEKTQIMYKWIJERICREDLDALIRLPSPGSKKDCPCPNPGFYNNSSCHPCP	300
QY	399	YGSYSNCS-DCTRCPAGEPAPVGEYKWNMTLPNMTLYLSGINEFYKCMTEVEYAGDH	457
Db	301	PGTSSDGTKEBRPCPAGTERPALGEEYWMVNLPCNNMTSCFENNGNSKCDMNMGEVAGDH	360
QY	458	IYTAAGASDNDMLTLVLVPGFRPQOSVAMDETERKEVARTFPEETCSVNCLEYPMVG	517
Db	361	IQSGSGSDNDNYLILNLHIGFKPPTS-MGANGSGELGRITFYEFELCSADCLYIMVDI	419
QY	518	NSRTNTPPEYMKSGSKGQSTYIIIEENTYTSFTWAFOR	555
Db	420	NKRSYNNVESWGTEKQOATYHIIIEFKATYTFWJGR	457

QY	103	MKROSOCKPAEABRYSLGIGIFEDIMDELJPHGFASLSANNELDLSAAES-TGUCITSKWVP	161
Dp	1	MKNQVCSKGBEETSLGSGIKFDEMDLPAFGFSNATFMDIYVVGSDSRDPDCNNSSNIP	60
QY	162	RGDIYAFNFDCTAFLTAVALNKGSTVAFNEEYYPDDSIIEFFVQNDQCP-NADDSRW	220
Dp	61	RCNVISNNDDCTVSLIYAVALHKKSGVFEFEYOYVNNITFEFFIIONDQCEMDPTTDKW	120
QY	221	MKNTTEG-REHFSVBLNGNVLWPTTASVMTKPKRVILRNATIGVATSECPCK	219
Dp	121	VKLTLDGEMGSHVMLKSGTILWRTTGLMOSKSKAVKVLAKNTIEGVATSECPCK	160
QY	280	PCTYADKQGSFCKLCPANSYSNKGSTSHQC-DPDKYSEKSSSCANVPACTKDFYT	338
Dp	181	PGFESNKPSCFNCQYCPRNTYSEKGAKECIRCKDQSGFSEBSSSCTBRPCTTKDVFQI	240
QY	339	HMACDANGTOLMYNAKPKICSDLEGAVKLPASCVTKHCPKCPBGFCTKNSTCOPCP	398
Dp	241	HPDCDEEGTOLMKWIEPKICREDLIDALIRLPSEKEDDPCPNBGFYVNGSSSCHPCP	300
QY	399	YGSYSNGS-DCRCPAGTAPVAFGEFYKMMNTLPTNNEITVLSGJNEFKMGTMGEVAGD	457
Dp	301	PGFFSDGTRKECRPCPAGTETRALGETYKMMNVLPGNMKTSCEFAVNGSKCDGNGHEVAGD	360
QY	458	ITYAAGASDNDPMILLVVPGRPOSVADTENEVARITTFVEETLCSVNCLEFVAVG	517
Dp	361	IOSGAGGSDNDYLLILNHIGFGRPPTS-MTGATGSELGRTFVEETLCSADCVLYFWADI	419
QY	518	NSRTMTPVETKSGSKGOSVYIIIEENTTTSTYMAFOR	555
Dp	420	NKSTINVESMGTRKQATHTHIEFNNAFTFTGIPR	457

RESULT 15
 US-10-003-152-20
 ; Sequence 20, Application US/10003152
 ; Patent No. US20020151494A1
 ;
 ; GENERAL INFORMATION:
 ;
 ; APPLICANT: Shimkets, Richard
 ;
 ; APPLICANT: Fernandes, Elma
 ;
 ; APPLICANT: Vernet, Corine
 ;
 ; APPLICANT: Yang, Melja
 ;
 ; APPLICANT: Boldog, Perenc
 ;
 ; APPLICANT: Herrmann, John
 ;
 ; TITLE OF INVENTION: NO. US20020151494A1el Amino Acid Sequences for Human Semaphorin

Wed Mar 12 10:08:35 2003

us-10-046-433-40.rapb

Page 13

FILE REFERENCE: 15966-554 Cura-54 CON-S12
CURRENT APPLICATION NUMBER: US/10/003,152
CURRENT FILING DATE: 2001-11-02
PRIOR APPLICATION NUMBER: 09/604,286
PRIOR FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: 60/140,584
PRIOR FILING DATE: 1999-06-23
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 20
LENGTH: 464
TYPE: PRT
ORGANISM: Homo sapiens
US-10-003-152-20

Query Match 26.3%; Score 1448; DB 12; Length 464;
Best Local Similarity 56.1%; Pred. No. 1.5e-101;
Matches 257; Conservative 73; Mismatches 122; Indels 6; Gaps 6;

OY 103 MKDQCKPCAEGRYSLGTGIRFDEWDELPHGFASISANMELDDSAAS-TGNCSTSKWP 161
DB 1 MKNQVCKCEGTYSLSGSIKFEWDELPHAGSNIAITFMDTVVGPDSRDPGCNNSSWIP 60
OY 162 RGDYIANPDECATIMVAVNLSKSGTVFEYYPDSIIIEFFVQNDQCP-NADDSRW 220
DB 61 RGNYESNRDCTVSLIYVHLKSGYFEYQYDNNIEFFFIQNDQCEMDTTDKW 120
OY 221 MKTEKG-WEFHSEYELNRCNNVLYWRTAFSWYTKVPRVLYRNIAITGVAATSECPCK 279
DB 121 VKLDNCEMGSHSYMLKSGTNIILYWRITGILMSKAVKPVLYKNITIEGVAITSECPCK 180
OY 280 PGTIADKQGSFCLCPANSYSNKGETSCHOC-DPDKYSEKSSSCNVNRPACTDKYFYT 338
DB 181 PGTESNKGSPFCVCPFRNTYSEKAKECIRCKDDSQFSEBSSSECTERPPCTTKDYFOI 240
OY 339 HTACDANGETOIMYKNAKPKICSEDELGAVKLPASGVKTHCPNCPNGFFKTNSTCOPCP 398
DB 241 HTPCDEBKQTQIMYKMLEPKICREDLTDALRLPSPGSEKKDCPPCNPNGFFYNGSSSCHPCP 300
OY 399 YGSYSNGS-DCTRCPAGTEPAPGFEYKWMNTLPTNMETVLGSGINFEYKMTGWEVAGDH 457
DB 301 PGTFSIDGTRECPCPAGTEPALGFEYKWMNVLPQNMKTSCEFNNGSKDCDNGMGWEVAGDH 360
OY 458 IYTAGASDNDPMILTLVVPGRPPQSVYMDTENKEVARTTFVFETLCSYNGCELYPMGV 517
DB 361 IOSGAGSDNDLILNLHLPGRKPTS-MTGATGSELGRITTFVFETLCSADCVLHFMVDI 419
OY 518 NSRTNTPVETWKGSKGQSYTYIIIEENTTSFTWAFOR 555
DB 420 NRKSTNVESMGTEKQAYTHILFKNAFTFTWGIIR 457

Search completed: March 12, 2003, 04:55:23
Job time: 117 secs

